

WHAT IS CLAIMED IS:

1. An authentication-selection system comprising:

a storage device storing an target-performance required for authenticating a person; and

5 an authentication-means selector which selects one among a plurality of authentication and one or more combinations of said authentication means satisfying said target-performance.

2. The authentication-selection system according to Claim 1, further comprising:

10 a combination generator which generates a plurality of authentication and one or more combinations of said authentication means; and

a calculator which calculates authentication performance for each of said every said plurality of authentication and said one or more combinations of said authentication means.

15 3. The authentication-selection system according to Claim 1, further comprising:

a target-performance setter which sets said target performance; and

a limiting-condition setter which sets limiting condition for authentication means,

20 wherein said combination generator generates said plurality of authentication and said one or more combinations of said authentication means, based on said limiting condition; and

wherein said authentication-means selector selects one among said plurality of authentication and said one or more combinations of said authentication means, based on said limiting condition.

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4. The authentication-selection system according to Claim 3, wherein said at least one limiting condition includes at least one of the following items:

a plurality of kinds of said plurality of authentication means;

a priority in said plurality of kinds of said plurality of authentication

5 means;

a combination of said plurality of authentication;

priority in said combinations;

a number of said plurality of authentication for combination;

priority in the numbers of said authentication for combination; and

10 a number of candidate combinations.

5. The authentication-selection system according to Claim 1, further comprising:

a performance storage device for storing the authentication performance of said authentication means; and

15 a log-analyzer for analyzing the log data which is authentication result by said authentication means, and for reflecting the analysis results on the authentication performance of said authentication means.

6. The authentication-selection system according to Claim 5, wherein said performance storage device stores authentication performance for each
20 registrant.

7. The authentication-selection system according to Claim 1, wherein the authentication performance of said authentication means includes at least one of the following items:

a probability density function of matching score indicating degrees of
25 coincidence between input data and registration data in a case where person

is registrant;

a numerical table;

a probability distribution; and

parameter in the case of approximation by a normal distribution.

5 8. An authentication system comprising:

the authentication-selection system according to Claim 1 for selecting one among a plurality of authentication and one or more combination of said authentication; and

10 at least one of a plurality of authentication means for authenticating person by verification of input data of persons with registration data,

wherein authentication of said person is performed by said selected authentication or said selected combination of said authentication.

9. A selecting method for selecting one among a plurality of authentication and one or more combinations of said authentication, said

15 method comprising the steps of:

generating said one or more combination of said authentication using authentication means for authenticating person;

20 calculating and storing authentication performance for each of said plurality of authentication and said one or more combinations of said authentication; and

selecting one among said plurality of authentication and said one or more combinations of said authentication, which meets target performance required for authentication.

10. An authentication method comprising the steps of:

25 generating one or more combinations of said authentication, which is

performed by said authentication means;

calculating and storing authentication performance for each of said plurality of authentication and said one or more combination of said authentication;

5 selecting one among said plurality of authentication and said one or more combinations of said authentication, which meets target performance required for authentication; and

10 authenticating a person after verification of input data of person with registration data by said authentication, or said combination of said authentication.

11. An authentication-selection program executed on a computer, said program comprising the steps of said selecting method for selecting one among a plurality of authentication and one or more combinations of said authentication according to Claim 9.

15 12. A computer-readable recording medium including the authentication-selection program according to Claim 11.

13. An authentication program executed on a computer, said program comprising the steps of said authentication method according to Claim 10.

20 14. A computer-readable recording medium including the authentication program according to Claim 13.